DOCKET NO.: OVIT-0283 **Application No.:** 10/771,077

Office Action Dated: February 7, 2006

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-31 have been cancelled.

- 32. (**Previously Presented**) A biocompatible bone graft material comprising biocompatible, resorbable collagen and calcium phosphate, the biocompatible bone graft material having macro-, meso-, and microporosity.
- 33. (Original) The bone graft material of claim 32 wherein said collagen is Type I bovine collagen.
- 34. (Original) The bone graft material of claim 32 wherein said phosphate and collagen have a mass ratio of about 90:10 to about 70:30.
- 35. (Original) The bone graft material of claim 34 wherein said phosphate and collagen have a mass ratio of about 85:15 to about 75:25
- 36. (**Original**) The bone graft material of claim 32 having up to about 30% by weight of collagen.
- 37. (Original) The bone graft material of claim 32 having up to about 20% by weight of collagen.
- 38. (Original) The bone graft material of claim 32 having up to about 10% by weight of collagen.
- 39. (**Original**) The bone graft material of claim 32 wetted with a fluid comprising bone marrow aspirate, blood, or saline.
- 40. (**Original**) The bone graft material of claim 32 having a cylindrical, block, or discoid shape.

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- 41. (**Previously Presented**) The bone graft material of claim 40 also comprising a metal mesh.
- 42. (Original) The bone graft material of claim 41 wherein said metal comprises titanium.
- 43. (Original) The bone graft material of claim 32 wherein the bone graft material is shredded.

Claims 44-62 have been cancelled.

- 63. (**Previously Presented**) A bone graft for long bone reinforcement comprising a biocompatible, resorbable sleeve of collagen and beta-tricalcium phosphate, the graft having interconnected macro-, meso-, and microporosity.
- 64. (Original) The bone graft of claim 63 further comprising a mesh affixed to the surface of the sleeve.
- 65. (Original) The bone graft of claim 63 wherein said mesh is immersed in the graft.
- 66. (**Original**) The bone graft of claim 64 wherein the mesh is of titanium, stainless steel, nitinol, a composite polymer, or polyetheretherketone.
- 67. (Cancelled)
- 68. (Currently Amended) The bone graft of claim 63 wherein the beta-tricalcium phosphate and polymer collagen are in a mass ratio of about 90:10 to about 70:10.
- 69. (Currently Amended) The bone graft of claim 63 wherein the beta-tricalcium phosphate and polymer collagen are in a mass ratio of about 85:15 to about 75:25.
- 70. (Original) The bone graft of claim 63 wherein the cross-section of the sleeve is in the shape of a crescent shape moon.
- 71. (Previously Presented) A graft for the restoration of bone in the form of a shaped body, the shaped body comprising a homogenous composite of polymer and beta-tricalcium

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phosphate, the graft having interconnected macro-, meso-, and microporosity; the shaped body being selected to conform generally to a mammalian, anatomical tissue structure; and further comprising a mesh affixed to a side of the composite.

72. (Cancelled)

- 73. (**Previously Presented**) The graft of claim 71 wherein the mesh is of titanium, stainless steel, nitinol, a composite polymer, or polyetheretherketone.
- 74. (Previously Presented) The graft of claim 71 wherein the polymer is collagen.
- 75. (**Previously Presented**) The graft of claim 71 wherein the body shape is a disk, semi-sphere, semi-tubular, or torus.
- 76. (**Previously Presented**) The graft of claim 71 wherein the body shape conforms to the acetabulum.
- 77. (Previously Presented) The graft of claim 71 wherein the beta-tricalcium phosphate and polymer are in a mass ratio of about 90:10 to about 70:10.
- 78. (Original) The graft of claim 77 wherein the beta-tricalcium phosphate and polymer are in a mass ratio of about 85:15 to about 75:25.